ARSH BANSAL

STUDENT

- 1bansala@isb.be
- +32 499 81 99 90
- +32 465 57 58 35 (Whatsapp)
- Avenue de la Ferme Rose 2, Uccle, Brussels, Belgium

SKILLS

- Coding
  - Python
  - Unity with C#
  - Java
- Microsoft Office
- Google Suite
- Critical thinking
- Interpersonal Communication
- Teamwork
- Self-motivated learner
- Working knowledge of French

ABOUT ME

Motivated and passionate student with a keen interest in Computer Science and Mathematics. Hardworking and driven, with goals to excel in learning while nurturing the human values. Bringing forth a strong academic background and commitment to work hard and dedication to serve my school, peers and the community.

EDUCATION

Grade 10, Expected in 06/2024
International School of Brussels - Brussels

EXPERIENCE

Internship   07/2023 - 08/2023
- 3 weeks internship with Applied Frameworks
- Training a GPT model based on the company's published book

AI & ML Course   06/2023 - 01/2024
- Completed graduate-level AI & ML Course from Defense Research & Development Organisation (DRDO) and Defense Institue of Advanced Technology (DIAT), India

AP Computer Science A   08/2022 - 07/2023
- Pursued AP Computer Science A from John Hopkins University
- Focuses on developing proficiency in Java
- Learnt OOP and its four pillars in great depth
- Scored a perfect 5 in the AP exam

Other AP Courses   08/2023 - Current
- Pursuing 3 AP courses
  - AP Statistics
  - AP Macroeconomics
  - AP Physics 1

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HOBBIES

- Rubik's cube
- Exploring a variety of topics
- Chess
- Watching TV
- Travelling

Duke of Edinburgh   10/2022 - 06/2023
International Award Bronze

- DofE International Award — Bronze level
- Focuses on key life skills
  - Time management
  - Team-building and collaboration skills
  - Decision-making skills
  - Leadership skills

Working in Python

- Designed and coded various games and bots from the ground up using Python
- Designed and created various types of assets
- Following are the applications that I made using Python
  - Space Invaders (Game)
  - Tic Tae Toe (Game)
  - Piano Tiles (Bot)
  - Stocks Analyser (Program)

Working in Unity

- Designed and coded various games from the ground up in Unity using C#
- Designed and created various types of assets
- Following are the links to access my games:
  - The world's hardest game — https://play.unity.com/mg/lego/webgl-builds-87085
  - The Magic Tanks (2 players) — https://play.unity.com/mg/other/webgl-builds-88380
  - Stampeding Animals — https://play.unity.com/mg/other/webgl-builds-89480
  - Sky Pirates — https://play.unity.com/mg/other/sky-pirates-beta

Beyond Academics

- Calculus
  - Completed 'Differential Calculus' course from Khan Academy
  - Currently pursuing 'Integral Calculus' course from Khan Academy
- SAT
  - Preparing for SAT to appear on 9 March 2024
  - Already appeared for PSAT in October 2023

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Curricular Electives

- Filmmaking
  - Been a student of Filmmaking for 2 years and have made several films
- Web and App Development
  - Learning the basic of web design as wells as advanced techniques using HTML5 and CSS
  - Have made a lot of websites
- Design. Code. Play.
  - Designed games and a pathfinding bot using a specific design process
  - Focused on developing creative thinking and problem solving skills
- Robotics
  - Designed various robots using Vex V5 robotics kits and solved challenges using programming, sensors and automation
  - Focused on developing collaboration, leadership and critical thinking skills
- Creative Technology
  - Developed several artistic pieces such as logos, films, intros, etc. using technological tools such as Adobe Premiere Pro and Adobe Illustrator
- Digital Music
  - Created many instrumental songs using a digital music-editing platform
- Theatre Tech and Design
  - Designed various props using the available tools at our disposal

EXTRA-CURRICULAR

- Leader and founder of the school's AI Club.
- Member of the school's Vex Robotics Team
- Member of Maths Infinity Club of ISB
- Member of Science Club ISB
- Member of Student Leadership Team
- Been a member of the Lego Robotics club
- Big interest in Chess, also a member of Uccle Chess Club
- Physical Recreation:
  - Varsity Lacrosse ISB
  - Learned Sabre Fencing
  - Practices Yoga

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- Voluntary Service
  - Preparation and distribution of food packets under the project 'Lunch4All' by ServeTheCity, Brussels and Red Cross
  - Worked for Brussels Sports Association as Member of Communications and Social Media Department
  - Designed and made props for Elementary School Play Ozma of Oz
  - Helped in creating and editing various promotional videos about the Indian Food Festival 2023, organised by the Indian Confluence, for the website and social media handles.